

Nazarbayev University



Years Anniversary



#1 in Kazakhstan
and Central Asia





PRESIDENT'S WELCOME

As the new President of Nazarbayev University, I am committed to working with our vibrant community of students, faculty, staff, and partners to build a university that will be a source of national pride. Our goal is to be a catalyst for progress in the region, making substantial contributions to knowledge creation, leadership development, and societal transformation, as well as reforms in higher education and health services.

Since its establishment in 2010, NU has been a pioneering institution, recognized for its academic excellence and its role as a world-class research university. We are the leading research university in Central Asia. However, our ambitions are to be among the best universities globally and we have clear plans to take us there.

We also take pride in our partnerships with leading universities, research centers, and international organizations globally, which provide opportunities for collaboration, student and faculty exchange, and cutting-edge research. Our diverse and inclusive community, with faculty and students from over 60 countries, is a source of strength and global connections for research, student life and teaching.

Whether you are a prospective student, faculty member or partner, opportunities here are vast. While we commit to excellence in teaching, research and student life, we also take pride in being a welcoming and supportive community. As a residential university, we have exceptional facilities to support our community. In particular, student life at NU is world-class, with outstanding facilities for entertainment, cultural life and sports.

This pamphlet is part of a series of pamphlets. The other pamphlets focus on specific areas such as teaching, research, student life and change in higher education and health services. Further information on the University is also available on our website.

Professor Waqar Ahmad
President of
Nazarbayev University



Excellence on a Global Stage

NU is committed to expanding its impact and reputation in Central Asia and beyond. Since its founding, NU has built partnerships with top universities and research centers across 22 countries, enhancing its global visibility. These collaborations drive faculty, student, and staff exchanges while fostering joint research initiatives, positioning NU as a key academic player.

Through active participation in global academic networks, NU attracts talented students and researchers. As a founding member of the Asian Universities Alliance (AUA), established in 2017, NU addresses regional and global challenges in higher education, economic development, and scientific

advancement through institutional collaboration.

To strengthen its global presence, NU will expand collaborative degree programs with international universities and host global conferences, workshops, and seminars, fostering knowledge exchange.

Ranked among the top 106 World Young Universities and in the top 30% of research institutions worldwide, NU offers a dynamic environment for aspiring global leaders.

**NU as a top-tier,
research-intensive
university with
excellence in research
and alignment with
regional goals**

NU ON GLOBAL MAP

NU has established partnerships and signed Memorandums of Understanding and Student Exchange agreements with prestigious institutions and organizations worldwide. These collaborations aim to foster academic and research excellence, encourage innovation and promote development in various fields.



■ NU Global Cooperation 2024

Albania	Greece	Malaysia	Saudi Arabia	Turkmenistan
Azerbaijan	Hong Kong	Morocco	Singapore	UK
Brazil	India	Myanmar	South Korea	United Arab Emirates
Canada	Indonesia	Netherlands	Spain	Uzbekistan
China	Italy	Norway	Sri-Lanka	
Egypt	Japan	Poland	States of America	
France	Kazakhstan	Qatar	Thailand	
Germany	Kyrgyzstan	Russia	Turkey	

● Asian Universities Alliance (AUA)

Asian Universities ALLIANCE (AUA)

The Asian Universities Alliance (AUA) was established on April 29, 2017. NU is one of the co-founder members. The opening ceremony was held in Tsinghua University in Beijing, China. About 400 professors and students representing 15 universities from 13 countries took part in the work of the first meeting of the Alliance.

MEMBERSHIP

15 universities from 13 countries are members of the AUA

- Tsinghua University (China)
- NU (Kazakhstan)
- Hong Kong University of Science and Technology (China)
- University of Tokyo (Japan)
- Seoul National University (South Korea)
- National University of Singapore (Singapore)
- Indian Institute of Technology Bombay (India)
- University of Indonesia (Indonesia)
- Chulalongkorn University (Thailand)
- University of Malaya (Malaysia)
- University of Colombo (Sri Lanka)
- University of Yangon (Myanmar)
- Peking University (China)
- United Arab Emirates University (UAE)
- King Saud University (Saudy Arabia)
- Qatar University - Associate member

MISSION

The Alliance is aimed at joint consideration of regional and global issues in the fields of higher education, economic, scientific and technological development through strengthening cooperation among member institutions.



World class education

We offer demanding programs at undergraduates, masters and doctoral level in engineering, sciences, mathematics, medicine, social sciences, humanities, education and business and management disciplines.



Contribute to Groundbreaking Research

At NU, research drives regional and national progress. Students and faculty engage in high-impact projects that address critical challenges and advance scientific knowledge in Kazakhstan and beyond.



Great Careers

Students graduate with highly respected degrees alongside impressive employability skills. With the exception of the Covid years, over 98% of our graduates are in graduate employment in further study within a year of graduation. NU graduates are sought after by top companies both in Kazakhstan and globally, including national leaders like Kaspi, Samruk-Kazyna, the National Bank of Kazakhstan, and international giants like Google, Amazon, and Meta. They also thrive in multinational firms such as EY and KPMG, as well as in key sectors like energy, infrastructure, and academia.

Access Extensive Academic Resources

NU's expansive library collection, both digital and physical, provides students and researchers with the resources needed to pursue academic excellence. Over 250 science laboratories on campus offer world class facilities for teaching and research.



Publish in Prestigious Journals

NU encourages scholarly collaboration, with students co-authoring one-third of the university's publications in prestigious journals such as *Nature* and other Q1-ranked publications.

A photograph of two young men in black graduation gowns and caps, smiling and holding up a gold-colored diploma. The diploma has the text 'NAZARABADEN UNIVERSITY' and '2018' on it.

Open Pathways to Top Global Universities

NU graduates gain access to further education at the world's most prestigious universities, including Ivy League institutions.

A dark, blurred photograph showing the interior of a modern laboratory or lecture hall with rows of desks and chairs.

Experience World-Class Learning Facilities

NU offers cutting-edge laboratories, lecture halls, and recreational spaces that enhance the learning experience and foster innovation.



Study on a State-of-the-Art Campus

NU's modern campus offers an inspiring environment, designed to support academic success and personal growth. With over 150 student clubs, societies and enviable facilities we offer a safe and vibrant student life on our campus.



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Engage in a Vibrant Student Life

NU's campus is home to a diverse range of student clubs, academic societies and social groups, including one of the largest K-pop communities in the region. With over 300 international students representing 34 countries, NU is a vibrant melting pot where global cultures converge, creating a uniquely enriching and dynamic university experience.



Photo: NU Image



Study in a Safe and Supportive Environment

NU's modern campus offers an inspiring environment, designed to support academic success and personal growth. With over 150 student clubs, societies and enviable facilities we offer a safe and vibrant student life on our campus.



Internationally Recognized Education at Home

NU provides a globally recognized education, allowing students to access a world-class academic experience without the need to study abroad.



NU PROGRAMS

Computer Science & Engineering

- Biomedical Engineering
- Chemical and Materials Engineering
- Civil and Environmental Engineering
- Computer Science
- Data Science
- Electrical and Computer Engineering
- Engineering Management
- Geology
- Mechanical and Aerospace Engineering
- Mining Engineering
- Petroleum Engineering
- Robotics Engineering

Natural And Physical Sciences

- Applied Mathematics
- Biological Sciences
- Chemistry
- Geology
- Geosciences
- Life Sciences
- Mathematics
- Mining Engineering
- Petroleum Engineering
- Physics

Health Sciences

- 6-Year Undergraduate Medical Program
- Anatomic Pathology
- Anesthesiology and Critical Care
- Biological Sciences
- Chemistry
- Family Medicine
- General Surgery
- Global Health
- Internal Medicine
- Medicine
- Molecular Medicine
- Nursing
- Obstetrics and Gynecology
- Ophthalmology
- Orthopaedics and Traumatology
- Pediatrics
- Pharmacology and Toxicology
- Psychiatry
- Public Health
- Radiology
- Sports Medicine and Rehabilitation
- Urology

Social Sciences And Humanities

- Anthropology
- Economics
- Education
- Eurasian Studies
- History
- Multilingual Education
- Political Science and International Relations
- Public Policy
- Sociology
- World Languages, Literatures, and Cultures

Business And Management

- Business Administration
- Economics
- Finance
- Public Administration
- Public Policy

Petroleum Mining

- Geology
- Geosciences
- Mining Engineering
- Petroleum Engineering





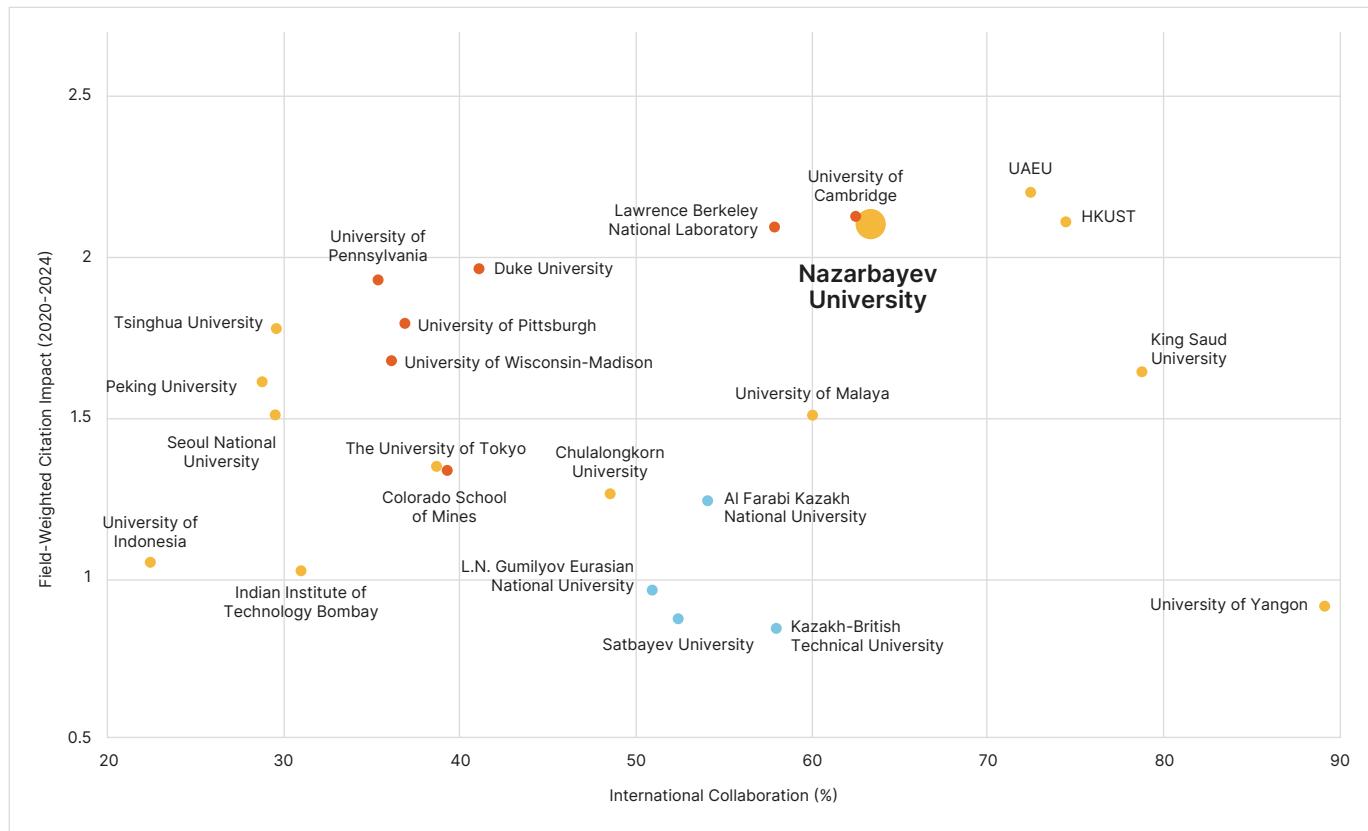
With a FWCI of 2.11, NU's research has significant impact on disciplines in science, engineering, medicine, social sciences, education and humanities.

NU's research and competition on the global stage

The benchmarking chart highlights NU's position in Field-Weighted Citation Impact (FWCI) and International Collaboration (%) against our Strategic Partners, members of the Asian Universities Alliance, fast-developing universities, and leading institutions in Kazakhstan.

NU's international collaboration rate of 63.8% reflects its strong commitment to fostering global research

networks, placing it among internationally significant institutions such as King Saud University, the University of Luxembourg, and the National University of Singapore (NUS). This metric, which measures the influence of research outputs, highlights NU's growing impact and the increasing recognition of its contributions within the global academic community.



● Strategic Partners

● Asian Universities Alliance

● Kazakhstani Institutions





The Institute of Smart Systems and Artificial Intelligence (ISSAI)

at Nazarbayev University is a leading hub for artificial intelligence research and innovation in Central Asia. Since its establishment in 2019, ISSAI has focused on solving practical challenges through interdisciplinary research and partnerships with local and international organizations.

Among its notable projects, ISSAI leads the development of KAZ-LLM, Kazakhstan's Large Language Model, designed to facilitate content creation in Kazakh, Russian, and English. This

pioneering initiative preserves cultural heritage, bridges linguistic gaps, and equips Kazakhstan for advancements in generative AI. Supported by Nazarbayev University's and Nazarbayev Intellectual School's Endowment Fund, Astana Hub, and Beeline, KAZ-LLM exemplifies how tailored AI solutions can drive national development and foster a skilled workforce in AI innovation.



Professor Atakan Varol

the General Director of ISSAI, is a recognized expert in robotics and artificial intelligence. As Chair of the Robotics Department at Nazarbayev University, he has led ISSAI since its inception. Prof Varol's research includes biomechatronics, soft robotics, machine learning, and intelligent systems. He holds international patents in bionics, and has successfully led major research projects funded by organizations like the World Bank and Kazakhstan's Ministry of Education and Science.



Professor Dos Sarbassov

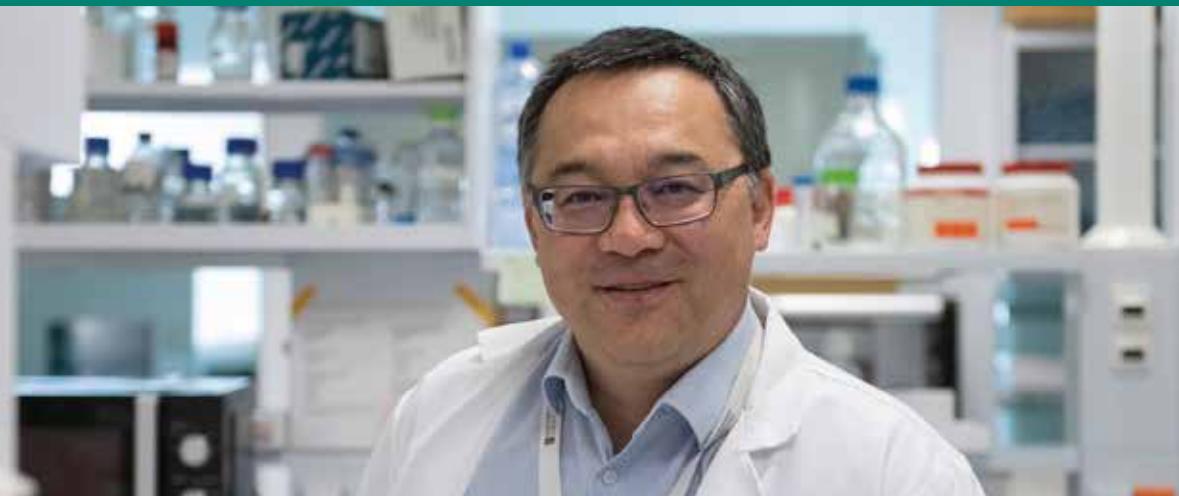
Professor Sarbassov is a Professor at Nazarbayev University, Vice President of the National Academy of Sciences of Kazakhstan, and General Director of the National Laboratory Astana.

An expert in cell signaling and molecular oncology, he is recognized for his work on the nutrient-dependent regulation of cell growth signaling and its role in cancer treatment. His research has advanced understanding of mTOR, a key regulator of cell growth in eukaryotes.

Under his leadership, researchers at the National Laboratory Astana, in collaboration with the Kazakh Institute of Oncology and Radiology, are developing a glucose-dependent treatment for KRAS-mutant cancers. The drug recently completed its first clinical trial phase, showing safety and promising results. The treatment combines D-form vitamin C (D-VC) and a low dose

of arsenic trioxide (ATO), targeting KRAS-mutant cancer cells. It tricks cells into absorbing dehydroascorbate, which induces oxidative stress, enhanced by ATO's cytotoxic effect. Early trials showed promise, and trials continue with higher D-VC doses. The second phase will focus on determining the maximum tolerable dose for optimal tumor suppression. The drug holds a U.S.

patent with Nazarbayev University as the exclusive licensee, offering a breakthrough in treating aggressive KRAS-mutant cancers.





Professor Zhumabay Bakenov

Vice-Provost for Industry Engagement, Professor at the School of Engineering and Digital Sciences, and Acting Director of the Center for Energy and Advanced Materials Science at National Laboratory Astana. In 2013, Professor Bakenov founded Institute of Batteries LLC, NU's first startup under the World Bank–Kazakhstan Commercialization Program. Now a leading research institution, it excels in industrial projects, high-impact publications, and researcher training.

Professor Bakenov has an impressive portfolio of industrial and major national projects executed across global hubs, including Japan, Kazakhstan, Canada, and the European Union's FP7 Program. He has served as Principal Investigator and Co-Investigator for numerous projects in materials science, renewable energy, environmental engineering, and life sciences. His dedication to bridging research

and practical applications is evident in his leadership of commercialization initiatives funded by Nazarbayev University and the World Bank.

In addition to his academic and entrepreneurial endeavors, Professor Bakenov contributes his expertise as a member of the National Research Council, focusing on the priority areas of Natural Sciences and Engineering & Technology. Through his

multifaceted roles and international collaborations, he is recognized as a key figure advancing innovation, research excellence, and impactful contributions to both academia and industry in Kazakhstan.



Faculty & Student research



Showcasing research achievements of faculty and students at both undergraduate and graduate levels

Nazarbayev University is committed to fostering a vibrant research environment where students actively contribute to innovative projects across diverse scientific fields. Our faculty members involve students in their projects, reflecting the university's dedication to nurturing the next generation of researchers. Here are highlights from the recent NU Annual Research Conference, demonstrating our strong emphasis on student engagement in research.

These projects underscore the collaborative spirit at NU, where students gain hands-on experience working alongside accomplished researchers. From tackling global challenges like climate change and sustainable energy to improving health and wellbeing, NU is equipping its students with the tools to lead the future of research and innovation.

Non-invasive Brillouin sensing of thermo-visco-elastic properties of biological tissues

A multidisciplinary team, including Lyazzat Mukhangaliyeva (Junior Researcher), Bayan Kurbanova (1st year PhD student), Shakhrizat Alisherov (3rd year PhD student), Zhanerke Katreanova (5th year PhD student), and NU alumna Akbota Sametova (Master's graduate) and Chingis Kharmanyssov (PhD graduate), worked alongside Professors Carlo Molardi, Daniele Tosi, and Associate Professor Zhandos Utegulov to study the viscoelastic properties of biomaterials using Brillouin spectroscopy. Their findings have the potential to improve non-invasive diagnostics and treatment monitoring in medicine.

SDG Barometer Survey Findings: climate change perceptions, SDG Awareness, and other findings

Led by Professors Serik Orazgaliyev and Stefanos Xenarios, the research team included Anar Shaikenova (NU PhD graduate, now Assistant Professor at KIMEP) and Nargiz Kapasheva (2nd year Master's student). Together, they conducted a comprehensive survey across Kazakhstan, shedding light on public perceptions of climate change risks and Sustainable Development Goals (SDGs).

Impact of Scanning Trajectories on Image Quality in Magnetic Particle Imaging

Graduate student Ihteshamul Hayat (2nd year Master's student) and Research Assistant Azamat Mukhatov joined Associate Professor Ton Duc Do to develop advanced scanning trajectories for Magnetic Particle Imaging (MPI). Their work improves image resolution, crucial for high-precision biomedical imaging.

Innovative water treatment technologies for effective removal of NO₃ using advanced materials

Meirzhan Nurmyrza (1st year PhD student), NU alumni Nurbek Nurlan (Master's graduate), and Professor Woojin Lee collaborated on a project to enhance nitrate removal from water using advanced catalysts. Their research addresses pressing environmental challenges with sustainable solutions for cleaner water systems.

Xanthan polymer optimization via nanoparticles: Caspian Sea operation

Undergraduate students Zhandarbek Sapargaliyev (4th year), Azel Tuyakova (4th year), Islam Lukmanov (3rd year), and Ayazhan Kubasheva (3rd year) under the supervision of Professor Peyman Pourafshary and Assistant Professor Azza Hashim Abbas to investigate the use of nanoparticles in natural polymers. Their study offers innovative approaches to improve polymer efficiency in harsh offshore conditions.

Groundbreaking Parkinson's disease research

Undergraduate student in Biological Sciences with Mathematics in Minor Zariat Shatkenova is co-author of groundbreaking Parkinson's disease research published in Nature Communications journal.



Research Faculty Profiles

Professor Shumaila Yousafzai

Prof Shumaila Yousafzai is a respected scholar in entrepreneurship with over 20 years of experience in research and teaching. She has authored more than 10 books and published over 30 articles in leading academic journals. Her editorial work with publishers like Routledge and Edward Elgar has contributed to advancing the understanding of sustainable and inclusive entrepreneurship.

In her career, Prof Yousafzai has supervised more than 15 PhD students, many of whom have been recognized for their academic achievements. She has also successfully secured and managed large-scale funded projects, including international grants,

showcasing her ability to lead complex initiatives and support research-driven development. Prof Yousafzai is the founder and Director of the Nazarbayev University Research Centre for Entrepreneurship (NURCE), which operates within the Graduate School of Business (GSB) at Nazarbayev University. NURCE aims to advance entrepreneurship research and practice in Kazakhstan and beyond. The center is dedicated to producing impactful academic research that is relevant to both practitioners and policymakers, building an Open Knowledge Network to connect researchers and partners, and fostering collaboration across various levels. NURCE also works

to create a positive social impact through entrepreneurship by generating and sharing knowledge that supports transformative practices. Additionally, it promotes interdisciplinary research among faculty at NU and collaborates with other universities in the CIS region and internationally.



Professor Prashant Jamwal

An Associate Professor in the Department of Electrical and Computer Engineering, Prof. Jamwal has been a part of NU since 2014. He holds a PhD and completed postdoctoral studies at the University of Auckland, New Zealand. With over two decades of experience in teaching and research, his expertise spans mechatronics, medical robotics, and advanced manufacturing technologies.

His research focuses on artificial intelligence, fuzzy mathematics, smart sensors and actuators, bio-mechatronics, biomedical robotics, evolutionary algorithms, and multi-objective optimization. Prof. Jamwal has published over 50 peer-reviewed international

articles and serves as an Associate Editor for the International Journal of Bio-Mechatronics and Robotics. He is also a reviewer for numerous prestigious international journals and conferences.

Prof. Jamwal has led several impactful research projects, with one of the most significant being the Astana Gait exoskeleton (A-GEAR), a rehabilitation device for individuals with mobility impairments, including cerebral palsy and stroke survivors. A-GEAR features a lightweight, ergonomic, and customizable design, making it adaptable to various levels of disability. Additionally, it is significantly more cost-effective than international alternatives.

The project has reached key milestones, including Phase 3 clinical trials and ongoing experiments at Nazarbayev University. A-GEAR is now licensed as a medical device and protected by two patents. Collaborations with Columbia University and the University of Leeds emphasize its global relevance and transformative potential in rehabilitation technology.

Professor Naureen Durrani



Professor Naureen Durrani joined the Nazarbayev University Graduate School of Education as a Full Professor in August 2018. She brings extensive teaching and research experience from prestigious institutions, including the University of Sussex, Northumbria University, the University of Central Lancashire, and the University of Peshawar. Prof. Durrani's research focuses on the social, cultural, political, and economic factors influencing education policy formulation and implementation, as well as the broader impacts of education on social and gender relations. Throughout her career, she has secured research funding from prominent organizations such as

the UK Research Councils (Arts and Humanities Research Council, Economic and Social Research Council, and Engineering and Physical Sciences Research Council), the UK's Department for International Development, the Australian Agency for International Development, the Swedish International Development Cooperation Agency, and Nazarbayev University. On November 15, 2022, with generous support from the Nazarbayev Fund, Prof. Durrani launched the Central Asian Research Centre for Educational Innovation and Transformation (CARCEIT). CARCEIT is ambitiously positioned as a leading hub for education research in

Central Asia. Operating under the Graduate School of Education at Nazarbayev University, the center aims to advance global knowledge, shape education policy and leadership, and foster a strong regional research community. CARCEIT is dedicated to driving innovation and transforming educational practices across the region through its diverse projects.



Home to a Vibrant International Community

Nazarbayev University

Nazarbayev University is unique for its multiculturalism and the rich tapestry of cultures that make our campus community so special. We have a vibrant, international community with students from 34 countries and almost 500 faculty and staff from 62 countries. This diversity brings cultural richness to our campus, enhancing the University experience for all.

We are committed to providing exceptional services to make students feel at home.

Home Away from Home

Transitioning to life away from family as an international student can be challenging. Home away from Home, a new initiative by the International Students and Scholars Services unit, supports orientation and integration through various activities and events.

This program helps international students adapt, connect, and feel part of the university community through meaningful events that foster transition, inclusion, and engagement.

We strive to create a safe and supportive environment where international students and scholars feel empowered to make informed decisions and have the tools to navigate a challenging and diverse living and learning experience.

Student life

Student life at Nazarbayev University is a dynamic blend of academic excellence, personal growth, and community engagement. Numerous extracurricular activities, modern facilities, and strong support at NU, helps students succeed in all areas of their lives and enjoy unforgettable experiences. Central to this experience is the concept of Tolyq Adam, which serves as a value-based foundation for nurturing well-rounded individuals. By fostering a balance of intellectual, moral, and physical qualities, NU empowers students to unlock their full potential and prepare for a successful future.

How Tolyq Adam Shapes Student Life

Tolyq Adam is a value-based system that ensures students' holistic development. It cultivates leadership, critical thinking, and patriotism, grounded in national values and global perspectives. Through academic clubs, sports, cultural events, and volunteer work, students develop Kind Heart, Bright Mind, and Conscious Energy. These activities balance intellectual growth with personal and social responsibility, shaping students into globally competitive and socially conscious individuals.

Unlocking Opportunities Beyond the Classroom

Nazarbayev University is home to a vibrant student community supported by 120 active clubs in various directions. These clubs provide students with opportunities to explore their passions, develop both soft and hard skills, and create lasting memories.

Clubs at NU are categorized into four key areas



Academic and Professional

Provide workshops, seminars, and networking events while providing mentorship and career resources to help students prepare for future academic or professional paths.



Art, Entertainment, and Culture

Provide platforms for creativity in visual arts, theater, music, and literature through exhibitions, performances, and workshops, enriching campus life.



Sport and Dance

Provide opportunities to join sports (basketball, football, volleyball) and dance (Kazakh, hip-hop, contemporary, k-pop) with facilities, coaching, and practice, fostering skills and teamwork.



Social

Raise awareness and advocate to solutions to issues like poverty, inequality, and environmental challenges, fostering empathy and social responsibility through activism and community engagement.

Every semester, these clubs organize around 450 events, ranging from hackathons and guest lectures to cultural performances, sports competitions, volunteering activities, and social gatherings. These events not only foster a sense of community but also provide students with practical experiences and opportunities to connect with peers and professionals.

Preparing for a Global Future

Through their involvement in clubs, students at Nazarbayev University enhance their leadership, communication, and professional skills, building self-confidence and preparing to be competitive on a global scale. These experiences enrich their university life and prepare them for future success.

At Nazarbayev University, students are supported throughout their journey to discover their potential, contribute to their community, and grow into leaders of tomorrow.



Cultivating Excellence: Study and Sports Opportunities

Library and Study Areas: The university's library, spread across four floors, is a central hub for academic success. It features three 24/7 study zones for flexible learning, quiet areas for focused work, and collaborative spaces for group projects. A relaxation zone is also available for students to take breaks and recharge.

Sport Opportunities

The Athletic and Sport Centers offer top facilities, including a swimming pool, gym, and courts for basketball, volleyball, and tennis. Daily, 300-400 students stay active. NU has 19 sports clubs with 500 members, excelling in national tournaments. Fostering teamwork and resilience, our facilities support both competitive athletes and those enjoying sports for fun.



Cinema Hall

The Athletic and Sport Centers offer top facilities, including a swimming pool, gym, and courts for basketball, volleyball, and tennis. Daily, 300-400 students stay active. NU has 19 sports clubs with 500 members, excelling in national tournaments. Fostering teamwork and resilience, our facilities support both competitive athletes and those enjoying sports for fun.



Dormitory Facilities

Residential life at NU offers comfort and community, housing 94.5% of students. Options include shared rooms, family apartments, and PhD residences. Facilities feature 24/7 laundromats, study rooms, and event spaces. With nearby stores, cafés, and fitness areas, all needs are met. Safety is a priority, with repair services, ATMs, and pharmacies ensuring convenience.

Social & Personal growth

The university provides opportunities for future leaders to explore diverse fields, unleash their creativity, and develop a sense of responsibility. The most compelling evidence of this is the dynamic and impactful Student Government.

The Student Government holds a highly representative role within the university, serving as a vital bridge between the voices of students and the administration. It ensures that every student's concerns and ideas are heard, fostering an environment where their input contributes to policies on teaching, research and student experience and their projects and initiatives have the support and opportunity to be successfully realized.

Student Government: who we are?

The Student Government (SG) is an elected team of motivated and enthusiastic students, guided by the principles of legality, democracy, transparency, self-governance and voluntariness.



"We aim to create and support an environment where every student can succeed academically, personally, and professionally. Through leadership, responsibility, and empathy, we improve student life and provide opportunities for growth"



Photo: NU image

But how do we organize our work?

We operate through three main branches to achieve our goals:

Advisory Body: Provides guidance on academic matters.

Executive Body: Leads in implementing decisions.

Committees: Focus on student rights and funds.

The President and Vice President coordinate with university leadership, departments, and student clubs to ensure effective collaboration. This structure has helped us accomplish goals such as organizing a Scholarship Fair, advocating for student representation, implementing policy changes, and hosting events.



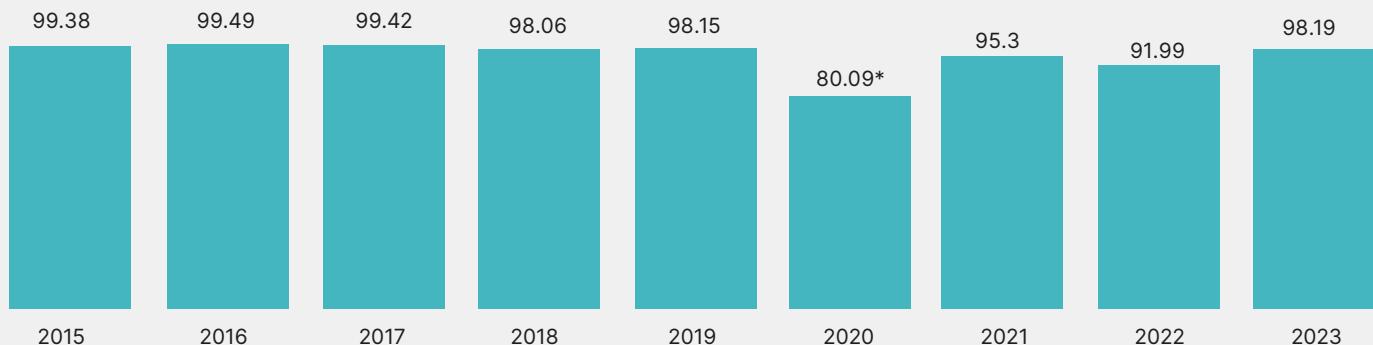
Photo: NU image

Career & Advising center

NU takes pride in our strong track record of preparing graduates for professional success. Our alumni consistently thrive in their careers, and the data speaks for itself: our professionally active rate has consistently remained above 90%.

During 2020-2022 like many institutions, we faced unprecedented challenges, which led to a temporary decrease in employability rates as graduates navigated an uncertain job market. By 2023, it bounced to an impressive 98.19%.

Historic Professionally-Active NU Alumni Rate



*Start of COVID-19 restrictive period; Note: 'professionally-active' defined as proportion of employable alumni either 'in employment' or 'pursuing further education'.



Success stories of NU Alumni

Alumni achievements

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The first ten cohorts (Classes of 2015-2024) accounted for 10,339 graduates earning their Bachelor's and Master's degrees in engineering, sciences, technologies, and humanities. As of June 2024, 1,867 have entered postgraduate programs, with 508 pursuing PhDs at leading universities worldwide. The University of Cambridge, University of Oxford, Stanford University, Massachusetts Institute of Technology, Harvard University, University College London, Johns Hopkins University, ETH Zurich, Columbia University, National University of Singapore, New York University, London School of Economics and Political Science, LMU Munich, the Hong Kong University of Science and Technology, University of Wisconsin-Madison, University of Illinois at Urbana-Champaign, Technical University of Munich are among universities where NU graduates pursue their postgraduate education.

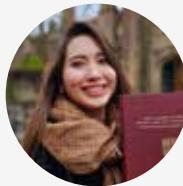
Our graduates
are employed
by leading
companies





Adil Kusmanov

MA, University of Oxford; Chairman of the Board of Center for International Programs JSC



Kamila Rollan

PhD, University of Cambridge; Assistant Professor at Suleyman Demirel University

Adilet Otemissov

MS, University of Manchester; PhD, University of Oxford; Postdoctoral Scholar at Nazarbayev University

Aslan Nurzhanov

Deputy head of the Government Press Service of the Republic of Kazakhstan

Almassadam Satkaliyev

Minister of Energy of the Republic of Kazakhstan

Baimagambetov Akylzhan

Deputy Chair of the National Bank of Kazakhstan

Tamirlan Seidakhmetov

Course Facilitator at Stanford Center for Professional Development; Data Scientist at Apple, Meta

Aisulu Aitbekova

MSc, Massachusetts Institute of Technology; PhD, Stanford University; Postdoctoral Fellow at California Institute of Technology's Kavli Nanoscience Institute

Darya Mikhailenko

MSc, University of Rochester; Silicon Engineer at Google

Anuar Serikov

Software Engineer at Google

Nurlan Kanapin

Staff Software Engineer at Google

Daulat Magzymov

PhD, Penn State University; Postdoctoral Researcher at University of Houston

Assel Ibadulla

MSc, Yale University; Researcher at Harvard University

Nazerke Kalidolda

ex-Google; IT start-up "Squares.kz"; Forbes under 30

Ayan Birimzhan

Ayan Birimzhan, a proud graduate of Nazarbayev University's Class of 2016 with a degree in Economics, is the visionary founder of Health Project. Through his business, he promotes healthy lifestyles by offering convenient, nutritious meal plans tailored for busy professionals. His innovative approach to wellness and entrepreneurship has earned him recognition in Forbes and other prestigious platforms, making him an inspiring example of how NU alumni are driving impactful change in society.



NU Alumni Association

The Nazarbayev University Alumni Association unites graduates into a proactive community, strengthening connections with the university and Kazakhstan's citizens. It promotes alumni engagement in community initiatives and collaboration. The Social Development Fund supports social innovation through financial and organizational assistance.

The Nazarbayev University International Alumni Chapter connects international graduates, celebrating their achievements and fostering a global network. It supports professional growth, cultural exchange, and mentorship while maintaining strong ties to the university and Kazakhstan.



**Our mission is
to revolutionize
healthcare in
Kazakhstan**

Healthcare services

Nazarbayev University Medicine (NU Medicine) is a leader in healthcare innovation, blending world-class medical education, exceptional patient care, and pioneering research into a cohesive model of excellence. Our mission is to revolutionize healthcare in Kazakhstan through the integration of education, research, and healthcare services.

NU Medical School and University Medical Center (UMC)

NU Medical School and University Medical Center (UMC) are the pillars of the NU Medicine system, driving biomedical innovation into new diagnostics, treatments, and therapeutics. UUMC consists of three advanced hospitals: the Diagnostic Center (DC), Mother and Child Center (MCC), and Heart Center (HC), with a total of 729 beds,

49 day-stay beds, and 500 outpatient visits per shift, offering 46 medical services. NU Medical School offers degrees from bachelor's to PhD, training future doctors, nurses, scientists, and innovators. In 2025, the school will introduce new programs in Medicine, Nursing Leadership, and fellowships in gynecological cancer, maternal fetal medicine, and IVF.

Under the leadership of Dr. Yuryi Pya,

an eminent heart surgeon and academician of the National Academy of Sciences of Kazakhstan, UMC has achieved groundbreaking milestones such as heart and lung transplants and the world's first total artificial heart implantation in 2017. In 2018, Dr. Pya led the implantation of a fully implantable left ventricular assist device. In February 2025, Dr. Pya and his team performed their 100th successful heart transplant.



Accreditations



In April 2024, NU School of Medicine achieved international accreditation from the World Federation of Medical Education. In September 2024, UMC received Joint Commission International (JCI) accreditation as an Academic Medical Center (AMC), becoming the first in Central Asia and the CIS. These certifications highlight NU Medicine's excellence in healthcare, education, and research. UMC and NU Medical School provide top-tier training platforms, comparable to leading global academic centers.

In June 2024, NU Medicine opened the Innovative Training Diagnostic Center with Roche Diagnostics and established a National Medical Simulation Training Center. UMC serves as a national center for specialized care, collaborating with Kazakhstan's Ministry of Health in pediatrics, oncology, obstetrics, cardiology, and surgery. Innovations include Left Ventricular Assist Device implants, heart and lung transplants, genetic diagnostics, and specialized care in cardiovascular, fertility, and rare pediatric diseases.

UMC also houses the Republican Center for Rare Diseases and specialized centers for pediatric respiratory, bowel, and organ transplant care. Telemedicine and air ambulance services expand UMC's reach to remote areas. NU Medicine is also pioneering cancer treatments like CAR-T cell therapy. Together, UMC and NU Medical School set new standards in healthcare, education, and research in Kazakhstan and beyond.





Knowledge Transfer AND OUTREACH

NU Community Engagement and Outreach Strategy fosters deeper collaboration with local and international stakeholders, strengthens NU's role in addressing regional and global challenges, and amplifies outreach efforts. As a leading institution, NU aims to integrate teaching, research, and community engagement, driving impact across government, industry, healthcare, and public service through innovative partnerships. The strategic framework aligns with Kazakhstan's national goals, advancing lifelong learning, SDGs, CSR, and Education for Sustainable Development (ESD) while enhancing healthcare, public service, and partnerships with universities, industry, and government to address global challenges and societal well-being.



NU has trained over **500 top and middle managers** for higher education institutions in Kazakhstan and hosted over **25,000 participants** in the Academic Leadership Institute's professional development programs. It has also provided access to advanced research facilities and equipment, benefiting researchers and improving research outcomes across **more than 40 universities** nationwide



In the coming years, NU will offer training and professional development programs for HEI representatives, contribute to advisory projects, and engage **800 participants** in the University Bridge project. This will enhance academic and research collaboration across Kazakhstan and drive innovative policy solutions through academic-government partnerships

Commercialization projects OF NAZARBAYEV UNIVERSITY



ALEM for conservation and long-term transportation of donor heart/organs

CEO: Professor Pya Yurii

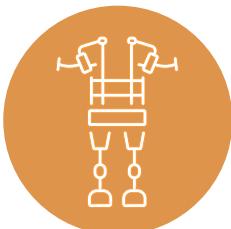
The aim is to develop a system of normothermic preservation and long-term transportation of a donor organ at the preclinical stage.



Codiplay. B2G solution to help schools teach students programming on a smartphone

CEO: Taldybayev Zhanadil

The goal is to provide students with knowledge in the field of IT and digital technologies so that they can successfully adapt to the requirements of the modern labor market. The project is aimed at developing students' key digital skills, such as programming and the competent use of technology.



"Astana Gait" exoskeleton for advanced rehabilitation (A-GEAR) (Robotics and AI)

CEO: Professor Prashant J.

The goal is to launch the production of exoskeletons for the rehabilitation of people with impaired musculoskeletal functions (ICP and strokes)

FOR NOTES

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